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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/525,595	03/24/2005	Antti Poikolainen	METSO-30	5863		
36528	7590	05/14/2007	EXAMINER			
STIENNON & STIENNON			HUG, ERIC J			
612 W. MAIN ST., SUITE 201			ART UNIT			
P.O. BOX 1667			PAPER NUMBER			
MADISON, WI 53701-1667			1731			
MAIL DATE		DELIVERY MODE				
05/14/2007		PAPER				

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)
	10/525,595	POIKOLAINEN ET AL.
	Examiner Eric Hug	Art Unit 1731

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 26 February 2005 and 24 March 2005.
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 11-22 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 11,12,16-19 and 22 is/are rejected.
- 7) Claim(s) 13-15,20 and 21 is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 26 February 2005 is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) Notice of Informal Patent Application
- 6) Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

1. Claims 11, 16-18, and 22 are rejected under 35 U.S.C. 102(b) as being anticipated by Lee (US 3,150,037).

Lee discloses a twin-wire forming section of a paper machine, shown in Figure 1 as comprising a first wire loop 23, a second wire loop 33, a suction roll 39 positioned within the first wire loop 23, and a suction box 71 having a curved surface positioned along curved path 43 within the second wire loop 33 and in opposed relationship with the suction roll 39. The suction zone of the suction roll clearly extends in the running direction beyond the suction box. These are the features of claim 11. In addition, a stock suspension from a headbox is supplied to the twin-wire former. Water is removed from the suspension as it travels over the suction roll 39. Beyond the suction roll, the web follows the first wire loop 23. Thus, the twin wire former accomplishes the method of claim 17.

Regarding claims 16 and 22, first forming wire loop 23 is positioned beneath second forming wire loop 33.

Regarding claim 18, the negative pressures of suction roll 39 and suction box 71 are controlled for dewatering purposes. See column 6, lines 59-71. This would implicitly control the two-sidedness of the paper.

- 2. Claims 11, 12, 16, 17, 19, and 22 are rejected under 35 U.S.C. 102(b) as being anticipated by Heikkila et al (WO 01/31120)

Heikkila discloses a twin-wire forming section of a paper machine comprising a first wire loop 10, a second wire loop 11, a suction roll 18 positioned within the first wire loop 10, and a suction box 17 having a curved surface positioned within the second wire loop 11 and in opposed relationship with the suction roll 18. The suction zone of the suction roll may extend in the running direction beyond the suction box as shown in Figure 4. In addition, a stock suspension from a headbox is supplied to the twin-wire former. Water is removed from the suspension as it travels over the suction roll 18. Beyond the suction roll, the web follows the first wire loop 10. Thus, the twin wire former accomplishes the method of claim 17.

Regarding claims 12 and 19, the two wires are separated at the suction roll in Figure 4.

Regarding claims 16 and 22, first forming wire loop 10 is positioned beneath second forming wire loop 11.

Allowable Subject Matter

Claims 13-15 and 20-21 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter:

Claims 13 and 20 are allowable for dividing the suction zone of the suction roll into two zones, the second of which extends beyond the suction box in the running direction.

Claims 14, 15, and 21 are allowable for providing a third wire, a second suction roll within the third wire, and a second curved suction box within the first wire opposing the second suction roll.

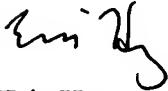
The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

Kankaanpaa (US 4,406,739) discloses a twin-wire forming section of a paper machine comprising a first wire loop 12, a second wire loop 13, a suction roll 23 positioned within the second wire loop 13, and a suction box 30 having a curved surface positioned within the first wire loop 12 and in opposed relationship with the suction roll 23. The suction zone of the suction box extends in the running direction beyond that of the suction roll.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eric Hug whose telephone number is 571 272-1192.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steven Griffin can be reached on 571 272-1189. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


Eric Hug
Primary Examiner